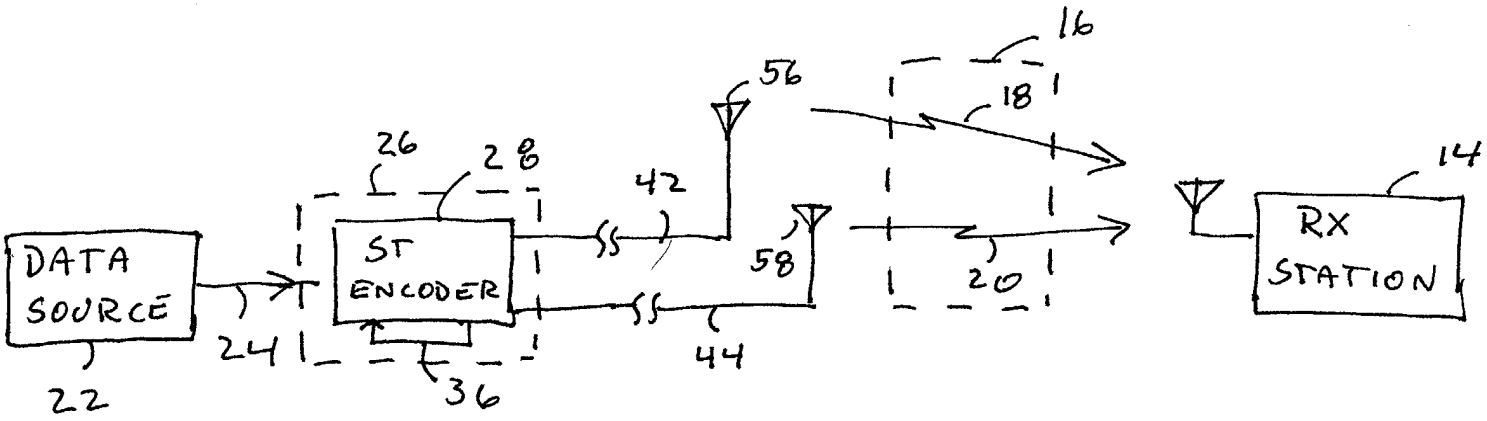
16
56
18
26
28
42
14
DATA SOURCE
ST ENCODER
58
RX STATION
20
24
44
22
36

FIG. 1

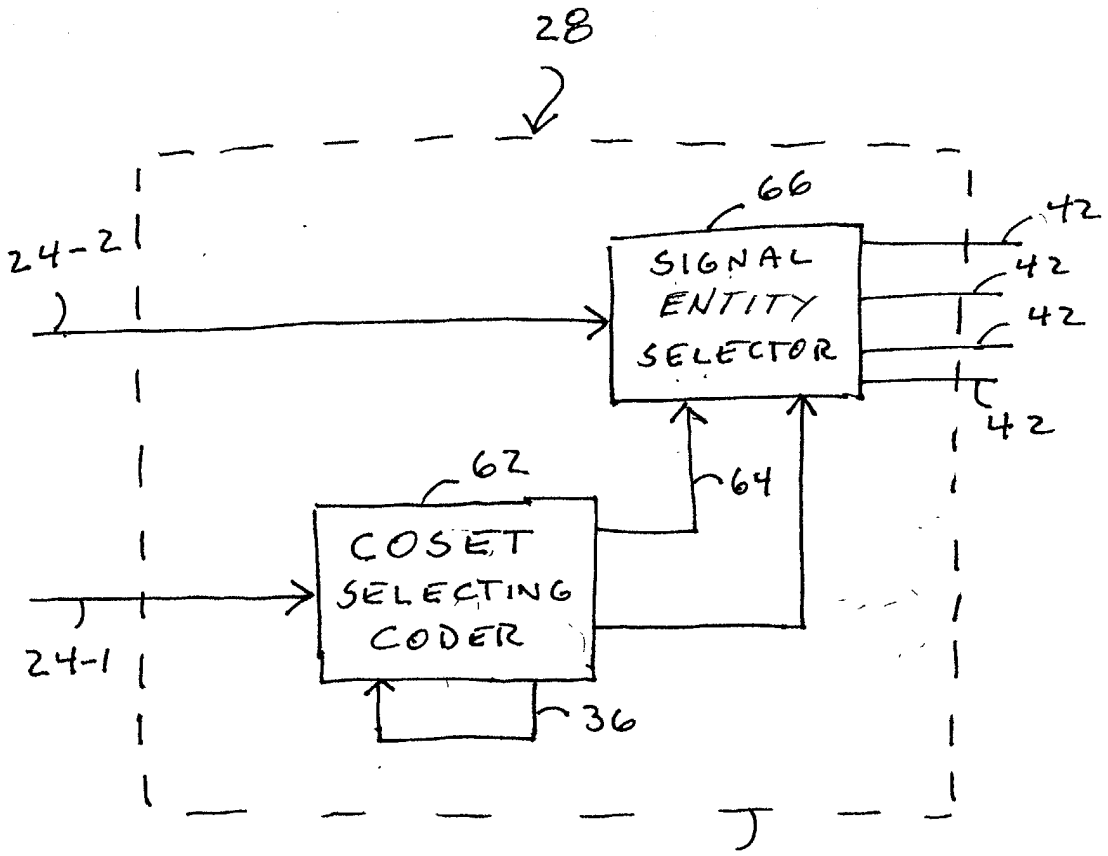
28
66
24-2
SIGNAL ENTITY SELECTOR
42
42
42
42
62
64
COSET SELECTING CODER
24-1
36

FIG. 2

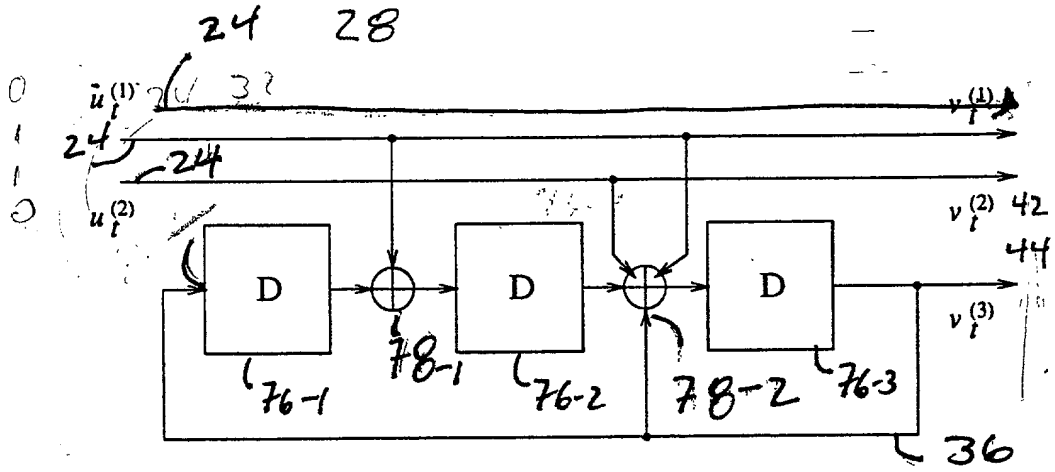
24
28
$u_t^{(1)}$
24
24
$u_t^{(2)}$
$v_t^{(1)}$
$v_t^{(2)}$
42
44
$v_t^{(3)}$
D
D
D
76-1
78-1
76-2
78-2
76-3
36

FIG. 3

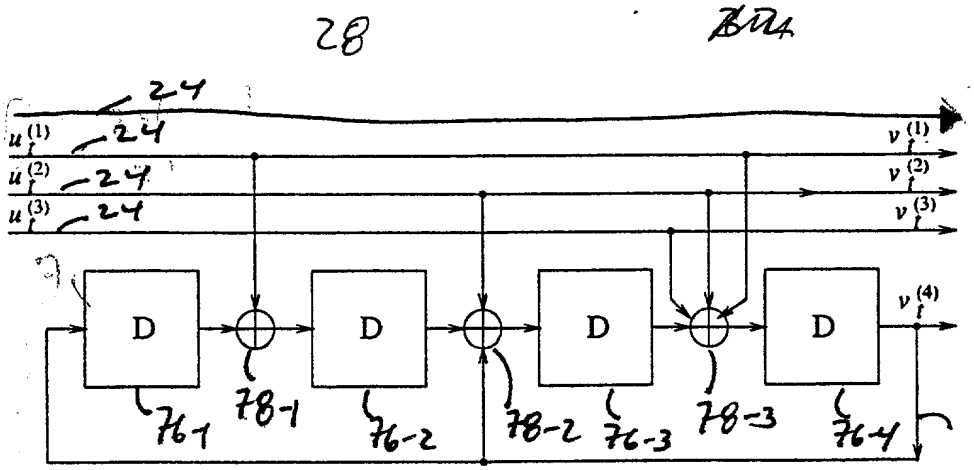
28
24
$u_t^{(1)}$
24
$u_t^{(2)}$
24
$u_t^{(3)}$
24
$v_t^{(1)}$
$v_t^{(2)}$
$v_t^{(3)}$
$v_t^{(4)}$
D
D
D
D
76-1
78-1
76-2
78-2
76-3
78-3
76-4

FIG. 4

$i=0$	q		$i=8$	q		i=16	q		i=24	q	
...7	8	16	...15	8	16	...23	8	16	...31	8	16
$\begin{bmatrix}1&3\\0&0\end{bmatrix}$	C_0	C_0	$\begin{bmatrix}3&3\\0&2\end{bmatrix}$	C_0	C_2	$\begin{bmatrix}3&1\\0&0\end{bmatrix}$	C_5	C_8	$\begin{bmatrix}1&1\\0&2\end{bmatrix}$	C_5	C_{10}
	00	0		01	1		00	0		01	1
$\begin{bmatrix}1&2\\1&0\end{bmatrix}$	C_1	C_1	$\begin{bmatrix}3&2\\1&2\end{bmatrix}$	C_1	C_3	$\begin{bmatrix}3&0\\1&0\end{bmatrix}$	C_4	C_9	$\begin{bmatrix}1&0\\1&2\end{bmatrix}$	C_4	C_{11}
	00	0		01	1		00	0		01	1
$\begin{bmatrix}1&1\\2&0\end{bmatrix}$	C_0	C_2	$\begin{bmatrix}3&1\\2&2\end{bmatrix}$	C_0	C_0	$\begin{bmatrix}3&3\\2&0\end{bmatrix}$	C_5	C_{10}	$\begin{bmatrix}1&3\\2&2\end{bmatrix}$	C_5	C_8
	10	0		11	1		10	0		11	1
$\begin{bmatrix}1&0\\3&0\end{bmatrix}$	C_1	C_3	$\begin{bmatrix}3&0\\3&2\end{bmatrix}$	C_1	C_1	$\begin{bmatrix}3&2\\3&0\end{bmatrix}$	C_4	C_{11}	$\begin{bmatrix}1&2\\3&2\end{bmatrix}$	C_4	C_9
	10	0		11	1		10	0		11	1
$\begin{bmatrix}0&3\\0&1\end{bmatrix}$	C_3	C_5	$\begin{bmatrix}2&3\\0&3\end{bmatrix}$	C_3	C_7	$\begin{bmatrix}2&1\\0&1\end{bmatrix}$	C_6	C_{13}	$\begin{bmatrix}0&1\\0&3\end{bmatrix}$	C_6	C_{15}
	00	0		01	1		00	0		01	1
$\begin{bmatrix}0&2\\1&1\end{bmatrix}$	C_2	C_4	$\begin{bmatrix}2&2\\1&3\end{bmatrix}$	C_2	C_6	$\begin{bmatrix}2&0\\1&1\end{bmatrix}$	C_7	C_{12}	$\begin{bmatrix}0&0\\1&3\end{bmatrix}$	C_7	C_{14}
	00	0		01	1		00	0		01	1
$\begin{bmatrix}0&1\\2&1\end{bmatrix}$	C_3	C_7	$\begin{bmatrix}2&1\\2&3\end{bmatrix}$	C_3	C_5	$\begin{bmatrix}2&3\\2&1\end{bmatrix}$	C_6	C_{15}	$\begin{bmatrix}0&3\\2&3\end{bmatrix}$	C_6	C_{13}
	10	0		11	1		10	0		11	1
$\begin{bmatrix}0&0\\3&1\end{bmatrix}$	C_2	C_6	$\begin{bmatrix}2&0\\3&3\end{bmatrix}$	C_2	C_4	$\begin{bmatrix}2&2\\3&1\end{bmatrix}$	C_7	C_{14}	$\begin{bmatrix}0&2\\3&3\end{bmatrix}$	C_7	C_{12}
	10	0		11	1		10	0		11	1

FIG. 5